

PERMITTEE NAME/ADDRESS(INCLUDE  
FACILITY NAME/LOCATION IF DIFFERENT)

**COMMONWEALTH OF VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)**  
**DISCHARGE MONITORING REPORT(DMR)**

Industrial Major 04/13/2011

**DEPT. OF ENVIRONMENTAL QUALITY**  
(REGIONAL OFFICE)

Blue Ridge Regional Office - Roanoke  
3019 Peters Creek Road  
Roanoke VA 24019

NAME RES dba Steel Dynamics Roanoke Bar Division

ADDRESS PO Box 13948  
Roanoke VA 24038

FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			001			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS  
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.				TYPED OR PRINTED NAME	SIGNATURE	CERTIFICATE NO.	YEAR	MO.	DAY
	PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					TELEPHONE			
				TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY

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**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)**  
**DISCHARGE MONITORING REPORT(DMR)**

Industrial Major 04/13/2011

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3019 Peters Creek Road  
Roanoke VA 24019

NAME RES dba Steel Dynamics Roanoke Bar Division  
ADDRESS PO Box 13948  
Roanoke VA 24038

FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			002			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

NOTE: READ PERMIT AND GENERAL INSTRUCTIONS  
BEFORE COMPLETING THIS FORM.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
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Industrial Major 04/13/2011

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FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			003			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
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Industrial Major 04/13/2011

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ADDRESS PO Box 13948  
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FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			005			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
001 FLOW	REPORTD				*****	*****	*****				
	REQRMNT	NL	NL	MGD	*****	*****	*****			CONT	TIRE
002 PH	REPORTD	*****	*****			*****					
	REQRMNT	*****	*****		6.0	*****	9.0	SU		CONT	REC
004 TSS	REPORTD				*****	*****					
	REQRMNT	110	305	KG/D	*****	*****	NL	MG/L		1/M	24HC
005 CL2, TOTAL	REPORTD	*****	*****		*****						
	REQRMNT	*****	*****		*****	53	108	UG/L		1/M	GRAB
080 TEMPERATURE, WATER (DEG. C)	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	31	C		2/M	IS
196 ZINC, TOTAL RECOVERABLE	REPORTD				*****						
	REQRMNT	NL	NL	KG/D	*****	340	340	UG/L		1/M	24HC
203 COPPER, TOTAL RECOVERABLE	REPORTD	*****	*****		*****						
	REQRMNT	*****	*****		*****	79.6	79.6	UG/L		1/M	24HC
225 pH, TOTAL EXCURSION TIME	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	446	MIN	*****	*****	*****			CONT	REC

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NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)  
DISCHARGE MONITORING REPORT(DMR)

Industrial Major 04/13/2011

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NAME RES dba Steel Dynamics Roanoke Bar Division  
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Roanoke VA 24038  
FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			005			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
			TO			

FROM

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
226 pH, INDIVIDUAL EXCURSION TIME	REPORTD				*****	*****	*****				
	REQRMNT	*****	60	MIN	*****	*****	*****			CONT	REC
233 LEAD, TOTAL RECOVERABLE	REPORTD				*****						
	REQRMNT	NL	NL	KG/D	*****	72.9	89.6	UG/L		1 / M	24HC
500 OIL & GREASE	REPORTD				*****	*****	*****				
	REQRMNT	29.2	81.3	KG/D	*****	*****	*****			1 / M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
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**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)**  
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Industrial Major 04/13/2011

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ADDRESS PO Box 13948  
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FACILITY LOCATION 102 Westside Blvd NW, Roanoke VA

VA0001589			006			
PERMIT NUMBER			DISCHARGE NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FROM

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

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BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
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**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM(NPDES)**  
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VA0001589			007			
PERMIT NUMBER			DISCHARGE NUMBER			
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YEAR	MO	DAY	TO	YEAR	MO	DAY

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002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

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VA0001589			008			
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YEAR	MO	DAY	TO	YEAR	MO	DAY

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		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
002 PH	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	SU		1 / 6M	GRAB
004 TSS	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	100	MG/L		1 / 6M	GRAB
196 ZINC, TOTAL RECOVERABLE	REPORTD					*****					
	REQRMNT	*****	*****		NL	*****	NL	UG/L		1 / 6M	GRAB
199 FLOW, PRECIPITATION EVENT	REPORTD	*****			*****	*****	*****				
	REQRMNT	*****	NL	MGD	*****	*****	*****			1 / 6M	EST
410 ALUMINUM, TOTAL RECOVERABLE	REPORTD	*****	*****		*****	*****					
	REQRMNT	*****	*****		*****	*****	NL	UG/L		1 / 6M	GRAB
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	
	REPORTD										
	REQRMNT									*****	

ADDITIONAL PERMIT REQUIREMENTS OR COMMENTS

BYPASSES AND OVERFLOWS	TOTAL OCCURRENCES	TOTAL FLOW(M.G.)	TOTAL BOD5(K.G.)	OPERATOR IN RESPONSIBLE CHARGE			DATE		
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	PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					TELEPHONE			
				TYPED OR PRINTED NAME	SIGNATURE		YEAR	MO.	DAY



**This report is required by your VPDES permit and by law. (See, e.g., the Code of Virginia of 1950 §62.1-44.5 and 9 VAC 25-31-50.) Failure to report or failure to report truthfully can result in civil penalties of \$32,500 per violation, per day and felony prosecutions which can carry a 15 year term.**

### **DISCHARGE MONITORING REPORT (DMR) - GENERAL INSTRUCTIONS**

- 1. Complete this form in permanent ink or indelible pencil. The use of 'correction fluid/tape' is not allowed.**
- 2. Be sure to enter the dates for the first and last day of the period covered by the report on the form in the space marked "Monitoring Period".**
- 3. For those parameters where the "permit requirement" spaces have a requirement or limitation, provide data in the "reported" spaces in accordance with your permit.**
- 4. Enter the average and maximum quantities and units in the "reported" spaces in the columns marked "Quantity or Loading".**  
**KG/DAY = Concentration (mg/L) x Flow (MGD) x 3.785      G/D (Grams/Day) = Concentration (mg/L) x Flow (MGD) x 3785**
- 5. Enter maximum, minimum, and/or average concentrations and units in the "reported" spaces in the columns marked "Quality or Concentration".**
- 6. For all parameters enter the number of samples which do not comply with the maximum and/or minimum permit requirements in the "reported" space in the column marked "No. Ex." (Number of Exceedances). If none, enter "0". Do NOT include monthly average violations in this field. Include any Maximum 7-Day Average and Maximum Weekly Average violations in this field. Permittees with continuous pH, or temperature monitoring requirements should consult the permit for what constitutes an exceedance and report accordingly.**
- 7. You are required to sample (at a minimum) according to the Sample Frequencies and Sample Types specified in your permit.**
- 8. Enter the actual frequency of analysis for each parameter (number of times per day, week, month, etc.) in the "reported" space in the column marked "Frequency of Analysis".**
- 9. Enter the actual type of sample (Grab, 8HC, 24HC, etc) collected for each parameter in the "reported" space in the column marked "Sample Type".**
- 10. Enter additional required data or comments in the space marked "additional permit requirements or comments". If additional required data or comments are appended to the DMR, reference appended correspondence in this field.**
- 11. Record the number of bypasses during the month, the total flow in million gallons (MG) and BOD5 in kilograms (KG) in the proper columns in the section marked "Bypasses and Overflows".**
- 12. The operator in responsible charge of the facility should review the form and sign in the space provided. If the plant is required to have a licensed operator or if the operator in responsible charge of the facility is a licensed operator, the operator's signature and certificate number must be reported in the spaces provided.**
- 13. The principal executive officer then reviews the form and must sign in the space provided and provide a telephone number where he/she can be reached. Every page of the DMR must have an original signature.**
- 14. Send the completed form(s) with original signatures to your Department of Environmental Quality Regional Office by the 10th of each month unless otherwise specified in the permit.**
- 15. You are required to retain a copy of the report for your records.**
- 16. Where violations of permit requirements are reported, attach a brief explanation in accordance with the permit requirements describing causes and corrective actions taken. Reference each separate violation by date.**
- 17. If you have any questions, contact the Department of Environmental Quality Regional Office listed on the DMR.**